BEEZER

INSTALLING CIRCUIT BOARDS

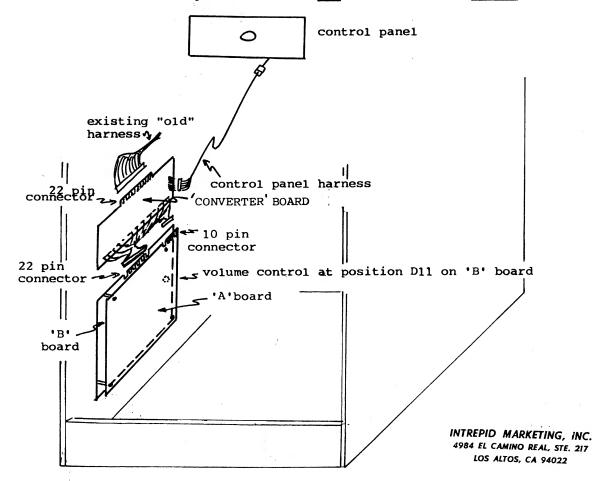
- 1. Remove old circuit boards, save all mounting brackets.
- 2. Relocate upper brackets to fit larger boards.
- 3. Secure 'A' and 'B' boards to side of game.
- 4. Connect 'CONVERTER' board to 'A/B' boards as shown in diagram below.
- 5. Connect old main harness to 'CONVERTER' board as old set of boards you removed.
- 6. Assemble control panel and connect to 'CONVERTER' board at connector shown in diagram.

NOTE !!

The potentiometer on the 'CONVERTER' board is

VOLTAGE ADJUSTMENT. PRE-SET AT FACTORY, TECHNICIAN ADJUST ONLY!!!

The potentiometer on 'B' board at D11 is VOLUME control



B. BOARD								A. I	BOARD	
SOLDERING SIDE				COMPONENT SIDE SOLDERING S		IDE		COMPONENT SIDE		
+5V	(B1)	22	\mathbf{z}	(Al)	+5V	GND	(1)	10	L	(1) GND
	(B2)	21	Y	(A2)		BLUE	(2)	9	K	(2)
+12V	(B3)	20	х.	(A3)		GREEN	(3)	8	J	(3)
	(B4)	19	W	(A4)	GND	RED	(4)	7	Н	(4)
	(B5)	18	V	(A5)			(5)	6	F	(5)
	(B6)	17	U	(A6)		SYNC	(6)	5	E	(6)
-5V	(B7)	16	T ·	(A7)	-5V		(7)	. 4	D	(7)
+12V	(B8)	15	s	(A8)	+12V	+12V	(8)	3	С	(8) +12V
SPEAKER (+)	(B9)	14	R	(A9)		-5V	(9)	2	В	(9) -5V
	(B10)	13	P	(AlO)	SPEAKER (-)	+5V	(10)	1	A	(10) +5V
GND	(B11)	12	N	(All)	GND					
	(Bl2)	11	М	(Al2)	-5V					
DO	(B13)	10	L	(Al3)						
PLAY 1 (TEST)	(B14)	9	K	(Al4)						
PLAY 2 (SELECT) (B15)	8	J	(Al5)						
COIN	(B16)	7	Н	(Al6)						
SLAM	(B17)	6	F	(Al7)						
^Ү 3	(B18)	5	E	(Al8)	^X 3					
^Y 2	(B19)	4	D	(A19)	^X ₂ =					
Y ₁	(B20)	3	С	(A20)	^x ₁					
YO	(B21)	2	В	(A21)	^X 0		*			
GND	(B22)	1	Α	(A22)	GND .					

NITE:

- 1. (A4) is the audio enable ground, should connect to (All) or (A22).
- 2. Board A., board B. & mini track ball board's ground should connect together.
- 3. Mini track ball board's $x_0^ x_3^-$, $y_0^ y_3^-$ connect to board B.'s $x_0^ x_3^-$, $y_0^ y_3^-$.
- 4. Mini track ball board's X_A, X_B, Y_A, Y_B should connect to track ball, X_A, X_B are horezontal control, Y_A, Y_B are vertical control.
- 5. The audio amplifier is bridge output. Do not connect speaker to ground.
- 6. Audio level potentiometer is at position Dll.

GALAXI	I) NA	O B	EEZER)
GND	22	Z	GND
GND	21	Y	GND
	20	х	AC 12V
<u></u>	19	W	AC 12V
AUDIO (+)	18	V	AUDIO (-)
SYNC	17	U	BLUE
GREEN	16	T	RED ¹⁰⁰⁷⁻⁰
GND	15	S	GND
•	14	R	
	13	P	
	12	N	
	11	M	
	10	L	
SERVICE SW.	9	K	
	8	J	COIN SW.
JUMPER TOGETHER	7	H	COIN METER (-)
,	,6	F	
	5	E	COIN METER (+) (12V)
	4	D	AC 7V
CND	3	С	AC 7V
GND	2	B A	GND

1. GROUND (BLACK) TO MINI TRACK BALL BLACK WIRE.

2. X_n (GREEN) - TO WICO TRACK BALL GREEN WIRE.

3. $X_{_{D}}$ (YELLOW) TO WICO TRACK BALL YELLOW WIRE.

4. Y (PURPLE) TO WICO TRACK BALL PURPLE WIRE.

5. Y_B (BLUE) TO WICO TRACK BALL BULE WIRE.

6. GROUND (BLACK) TO 1P, 2P SWITCH COMMON.

7. 1 PLAY (WHITE) TO 1P SWITCH.

8. 2 PLAY (BROWN) TO 2P SWITCH.

9. +5V OUT (RED) TO WICO TRACK BALL RED WIRE.

10. +5V OUT (RED) TO WICO TRACK BALL RED WIRE.

11. SPARE (GRAY) NOT USED.

12. SPARE (ORANGE) NOT USED.

TRACKBALL INTERFACE & COUNTER DRIVER.

	SOLDERING SIDE B	A C	COMPONENT SIDE
	+ 5V 10	L	+ 5V
	GND 9		
	COIN METER 8	J	COIN OUT (CONNECT TO B BOARD B16)
(CONNECT	TO B BOARD B18) Y 3	Н	X ₃ (CONNECT TO B BOARD Al8)
(CONNECT	TO B BOARD Bl9) Y 6	F	X ₂ (CONNECT TO B BOARD Al9)
(CONNECT	TO B BOARD B20) Y ₁ 5	E	X ₁ (CONNECT TO B BOARD A20)
(CONNECT	TO B BOARD B21) Y 4	D	X (CONNECT TO B BOARD A21)
	SERVICE 3	С	COIN IN
DOWN	(FROM TRACKBALL)Y _B 2	В	X _B (FROM TRACKBALL) RIGHT
UP	(FROM TRACKBALL)YA	A	X (FROM TRACKBALL) LEFT

^{*} Voltage control potentiometer is presetted not adjust!

ADJUSTMENT SWITCHES

- A SET OF DIP SWITCHES ARE LOCATED ON THE GAME LOGIC BOARD TO ADJUST FOR COINS.
- * NOTE: MAKE SURE POWER IS OFF BEFORE MAKING THESE ADJUSTMENTS.

SWITCH SETTING:

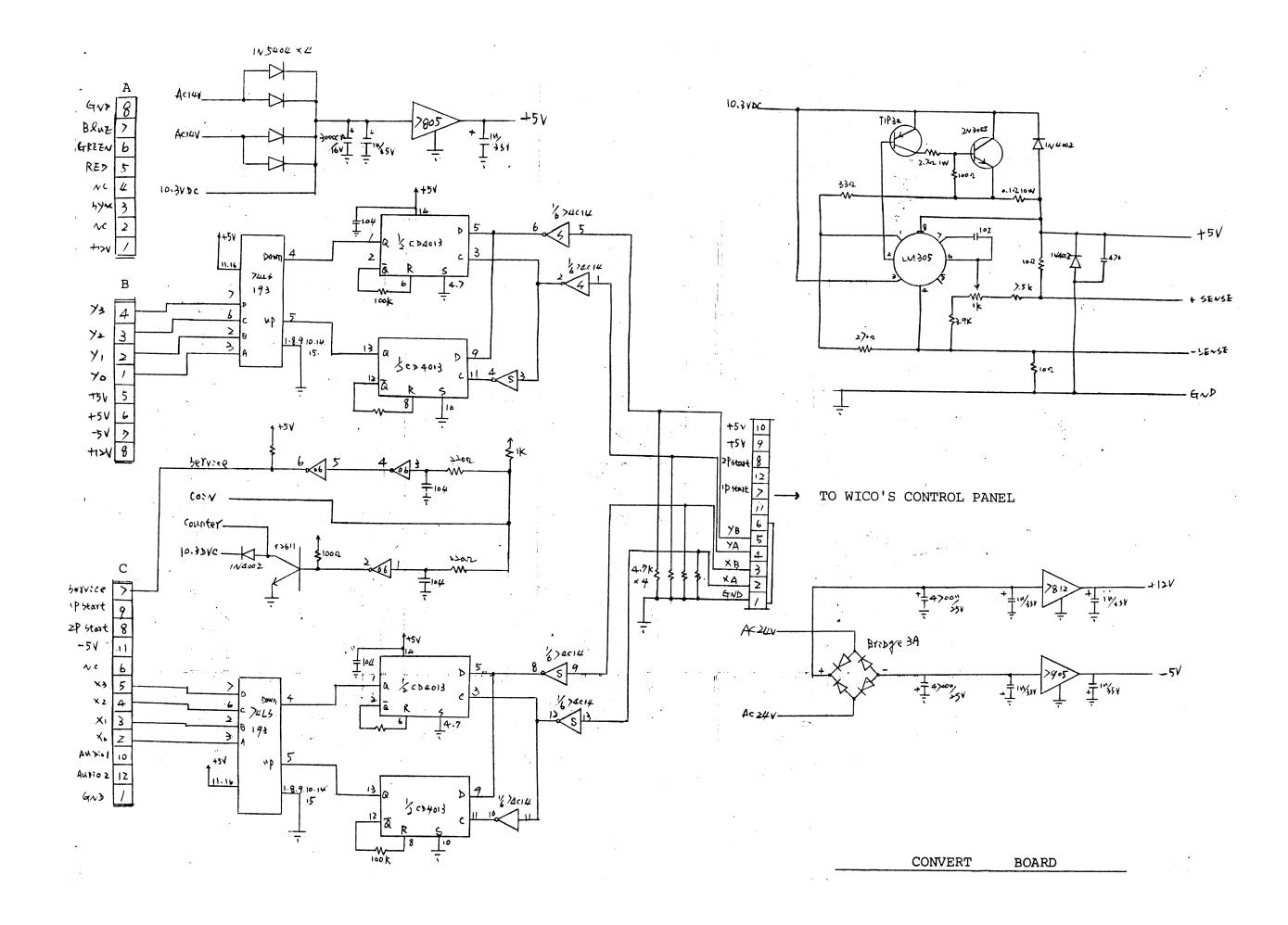
SWITCH B:								
	1	2 🗈	3	4 :	5	61	7.	8
1 COIN 1 CREDIT 2 COIN 1 CREDIT FREE PLAY	OFF ON ON	OFF OFF				-		
3 BEEZER START 4 BEEZER START			OFF ON					
ATTRACT MODE SOUND ON ATTRACT MODE SOUND OFF			L.	OFF ON				-
NO BONUS BONUS AT 90,000 POINTS BONUS AT 60,000 POINTS BONUS AT 30,000 POINTS					OFF ON OFF	OFF ON ON OFF		
EASY MEDIUM EASY HARD MEDIUM HARD	-						OFF ON ON OFF	OFF OFF ON

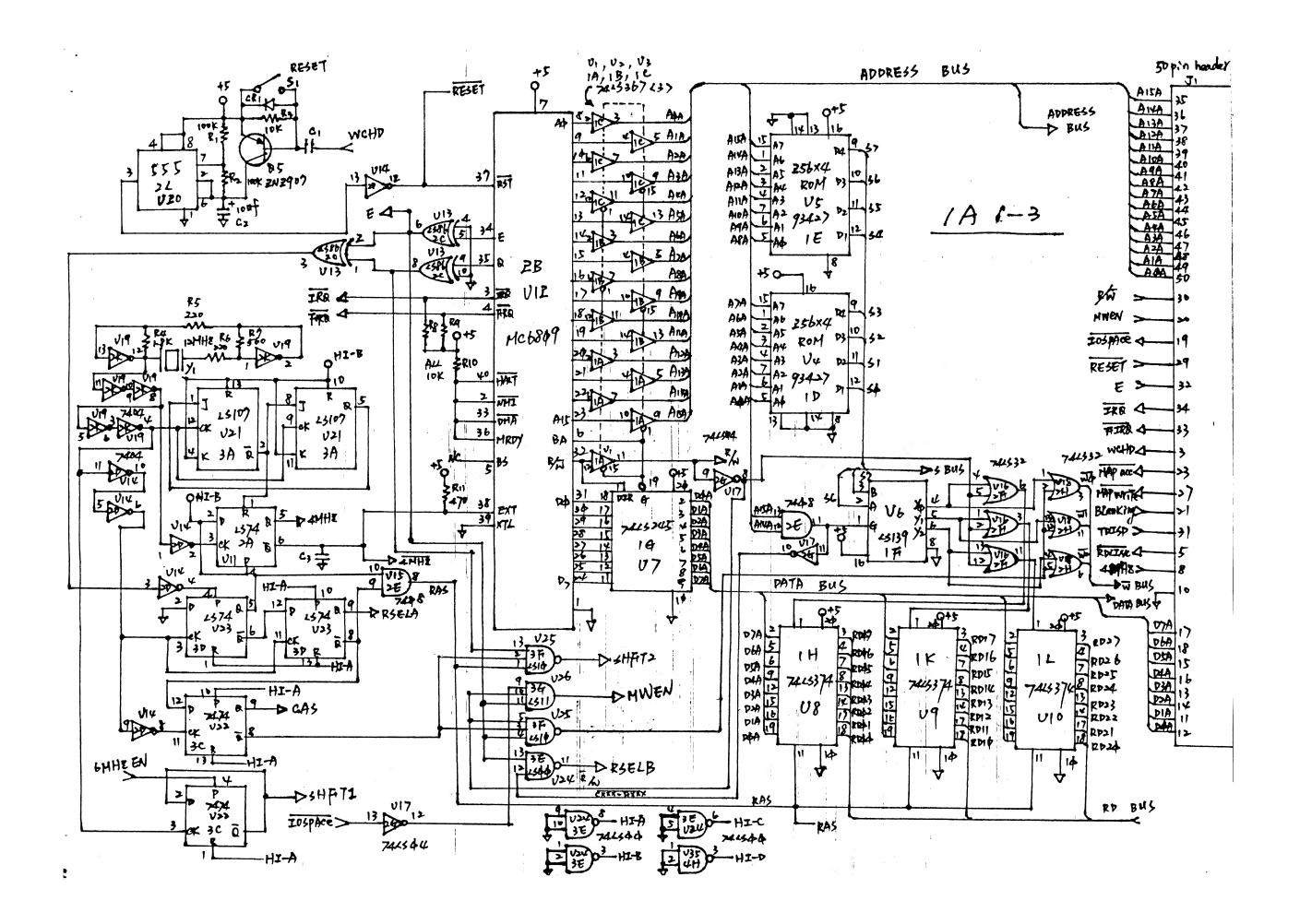
SWITCH A:

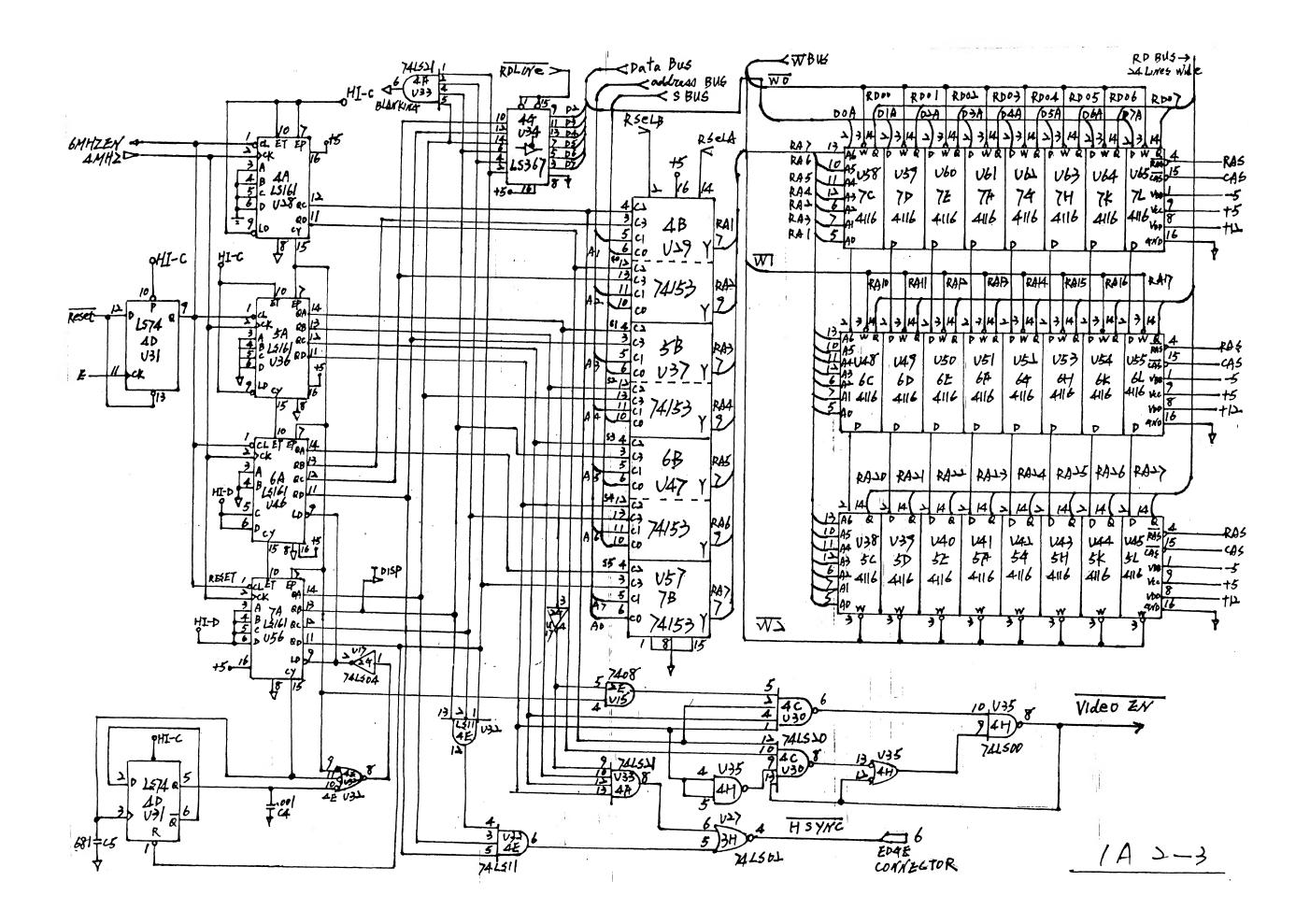
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INSTRUCTION FOR TEST MODE:

- (1) To enter test mode:
- (a) Power down
- (b) Turn on while holding down
- (2) Now in test mode. If not, repeat (1)(a) and (1)(b).
- (3) Test manuel on screen:
- (a) cycle to required item using 1P button
- (b) enter specific test using 2P button
- (c) cycle next test using IP button
- (d) leave test by cycling to start or turn off/on.







ALL CONNECTIONS
TO EDGE CONNETOR

